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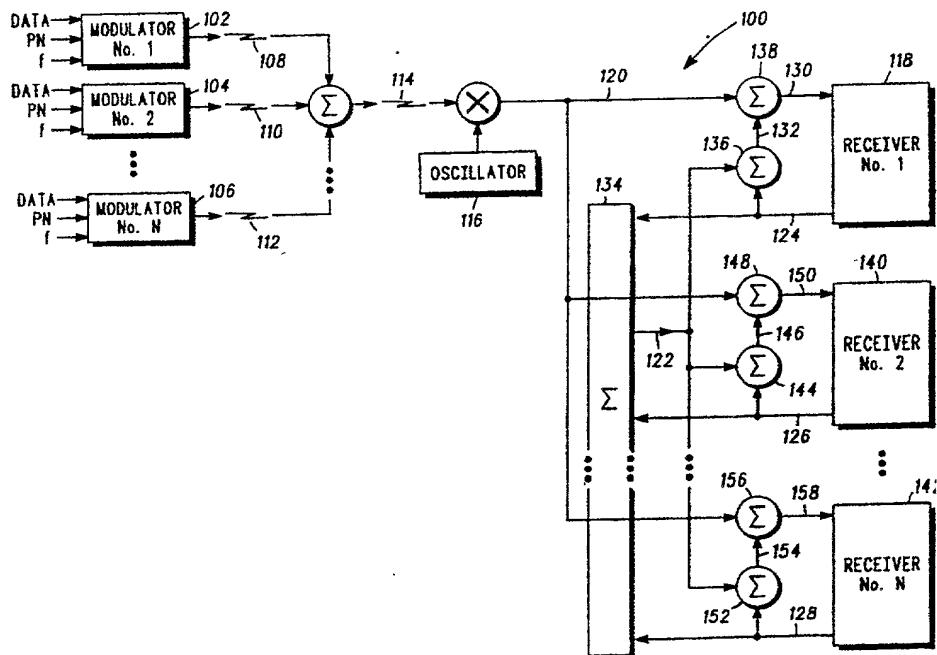
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With international search report.

## (54) Title: METHOD AND APPARATUS FOR CANCELLING SPREAD-SPECTRUM NOISE

## (57) Abstract

A spread-spectrum noise canceller is provided for cancelling user code noise from a spread-spectrum communication channel. The spread-spectrum noise canceller includes a receiver for receiving a spread-spectrum signal (114, 202 or 302) including a first (108, 204 or 304) and at least a second (110, 206 or 306) signal as well as a noise canceller operatively coupled to the receiver for reducing spread-spectrum noise in the first received signal (108, 204 or 304) by substantially processing the at least second received signal out of the received spread-spectrum signal (114, 202 or 302). In addition, a method is provided which cancels user code noise from a spread-spectrum communication channel. The method includes receiving a spread-spectrum signal (114, 202 or 302) including a first (108, 204 or 304) and at least a second (110, 206 or 306) signal and subsequently reducing spread-spectrum noise in the first received signal (108, 204 or 304) by substantially processing the at least second received signal (110, 206 or 306) out of the received spread-spectrum signal (114, 202 or 302).



100  
138  
130  
118  
RECEIVER No. 1  
120  
132  
124  
140  
RECEIVER No. 2  
134  
122  
144  
126  
150  
148  
156  
158  
152  
128  
142  
RECEIVER No. N  
116  
OSCILLATOR  
136  
146  
154  
152  
128  
142